

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

# PCT

To: The Procter & Gamble Company Attn. REED, T. 5299 Spring Grove Avenue CINCINNATI, OHIO 45217-1087 UNITED STATES OF AMERICA  <i>xc: J.J. Canonici / jst / file</i>	<div style="text-align: center;"> <b>RECEIVED</b>  <b>NOV 10 2000</b> </div> <div style="display: flex; justify-content: space-between;"> <div>             P &amp; S Patent Division              International ITC           </div> <div>             NOTIFICATION OF TRANSMITTAL OF              THE INTERNATIONAL SEARCH REPORT              OR THE DECLARATION               (PCT Rule 44.1)           </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span><i>AR - Boytia</i></span> <span><i>PH - Santos</i></span> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 50%; padding: 2px;">Date of mailing (day/month/year)</td> <td style="width: 50%; padding: 2px; text-align: center;">08/11/2000</td> </tr> </table>	Date of mailing (day/month/year)	08/11/2000
Date of mailing (day/month/year)	08/11/2000		
Applicant's or agent's file reference <b>CM2057M/JB</b>	<b>FOR FURTHER ACTION</b> See paragraphs 1 and 4 below		
International application No. <b>PCT/US 00/ 05985</b>	International filing date (day/month/year) <b>08/03/2000</b>		
Applicant  <b>THE PROCTER &amp; GAMBLE COMPANY et al.</b>			

1.	<input checked="" type="checkbox"/>	The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.  <b>Filing of amendments and statement under Article 19:</b> The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):  <b>When?</b> The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.  <b>Where?</b> Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35  For more detailed instructions, see the notes on the accompanying sheet.
2.	<input type="checkbox"/>	The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3.	<input type="checkbox"/>	<b>With regard to the protest</b> against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:  <input type="checkbox"/> the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  <input type="checkbox"/> no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
<b>4. Further action(s):</b> The applicant is reminded of the following:  Shortly after <b>18 months</b> from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.  Within <b>19 months</b> from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).  Within <b>20 months</b> from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.		

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <b>Cristina Iacoponi</b>
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## NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

##### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:  
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:  
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:  
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or  
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:  
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>CM2057M/JB</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 00/ 05985</b>	International filing date (day/month/year) <b>08/03/2000</b>	(Earliest) Priority Date (day/month/year) <b>12/03/1999</b>
Applicant <b>THE PROCTER &amp; GAMBLE COMPANY et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

☐ Non of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 00/05985

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D17/00 C11D3/50 C11D3/12 C11D3/36 C11D3/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E ✓	EP 1 026 229 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application example 1 claims page 11, line 31 - line 32 page 14, line 14 - line 16 page 3, line 34 -page 4, line 26 ---	1-16
E ✓	EP 1 026 228 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application claims; example 1 ---	1-16
E ✓	EP 1 026 227 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application claims; example 1 ---	1-16
-/--		



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"G" document member of the same patent family

Date of the actual completion of the international search

1 November 2000

Date of mailing of the international search report

08/11/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Serbetsoglou, A

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/05985

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ✓	EP 0 846 754 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1 page 4, line 3 - line 11 ---	1-11, 15, 16
X ✓	EP 0 846 755 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1 page 4, line 19 - line 27 ---	1-11, 15, 16
X ✓	EP 0 846 756 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1 ---	1-11, 15, 16
P, X ✓	WO 99 27069 A (PROCTER & GAMBLE) 3 June 1999 (1999-06-03) claims 1-8 page 64 -page 65 page 75 ---	1-11, 14
P, X ✓	WO 99 31215 A (PROCTER & GAMBLE) 24 June 1999 (1999-06-24) page 50 -page 53 claims; examples ---	1, 5, 14
X ✓	WO 99 06521 A (PROCTER & GAMBLE) 11 February 1999 (1999-02-11) claim 1; example 1 page 57, line 28 - line 29 page 55, line 9 - line 16 page 53, line 14 - line 26 ---	1, 5, 14
X ✓	WO 95 20030 A (UNILEVER PLC) 27 July 1995 (1995-07-27) examples 1, 4 claims 1-13, 27-34 ---	1
A ✓	WO 97 05226 A (PROCTER & GAMBLE) 13 February 1997 (1997-02-13) claims 1-3 ---	1, 5
P, X ✓	WO 99 40171 A (UNILEVER PLC) 12 August 1999 (1999-08-12) page 12, line 11 -page 13, line 25 page 24, line 5 -page 25, line 3 claims 1-8 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/05985

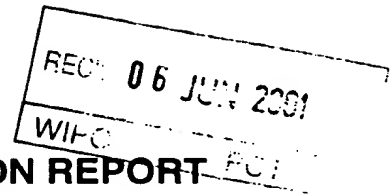
Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1026229	A	09-08-2000	WO	0046340 A	10-08-2000
EP 1026228	A	09-08-2000	WO	0046339 A	10-08-2000
EP 1026227	A	09-08-2000	WO	0046338 A	10-08-2000
EP 0846754	A	10-06-1998	AU	7625098 A	29-06-1998
			BR	9713992 A	08-02-2000
			CN	1245528 A	23-02-2000
			WO	9824874 A	11-06-1998
			US	6087311 A	11-07-2000
EP 0846755	A	10-06-1998	AU	5443898 A	29-06-1998
			BR	9714379 A	21-03-2000
			CN	1245529 A	23-02-2000
			WO	9824875 A	11-06-1998
EP 0846756	A	10-06-1998	AU	5443698 A	29-06-1998
			BR	9713871 A	14-03-2000
			CN	1245527 A	23-02-2000
			WO	9824873 A	11-06-1998
WO 9927069	A	03-06-1999	EP	1034250 A	13-09-2000
WO 9931215	A	24-06-1999	GB	2332442 A	23-06-1999
			BR	9813815 A	03-10-2000
WO 9906521	A	11-02-1999	GB	2327947 A	10-02-1999
			EP	0998552 A	10-05-2000
WO 9520030	A	27-07-1995	AU	702040 B	11-02-1999
			AU	1575695 A	08-08-1995
			BR	9506561 A	28-10-1997
			CA	2180433 A	27-07-1995
			DE	69502701 D	02-07-1998
			DE	69502701 T	26-11-1998
			EP	0741776 A	13-11-1996
			ES	2118561 T	16-09-1998
			ZA	9500587 A	25-07-1996
WO 9705226	A	13-02-1997	GB	2303635 A	26-02-1997
			AU	6636696 A	26-02-1997
			CA	2227772 A	13-02-1997
			EP	0847438 A	17-06-1998
			JP	11510532 T	14-09-1999
			US	6063747 A	16-05-2000
WO 9940171	A	12-08-1999	AU	2720699 A	23-08-1999

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference CM2057M/JB	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/05985	International filing date (day/month/year) 08/03/2000	Priority date (day/month/year) 12/03/1999
International Patent Classification (IPC) or national classification and IPC C11D17/00		
Applicant THE PROCTER & GAMBLE COMPANY et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 7 sheets, including this cover sheet.



- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

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3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☒ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☒ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 07/09/2000	Date of completion of this report 01.06.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Drew, C Telephone No. +49 89 2399 8494 



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/05985

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-66 as originally filed

**Claims, No.:**

1-16 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages: .....
- ☐ the claims, Nos.: .....
- ☐ the drawings, sheets: .....

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/05985

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

## II. Priority

1. ☐ This report has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit the requested:
- ☐ copy of the earlier application whose priority has been claimed.
  - ☐ translation of the earlier application whose priority has been claimed.
2. ☒ This report has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid.

Thus for the purposes of this report, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:  
**see separate sheet**

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Yes:	Claims
	No:	Claims 1 to 16
Inventive step (IS)	Yes:	Claims
	No:	Claims 1 to 16
Industrial applicability (IA)	Yes:	Claims 1 to 16
	No:	Claims

2. Citations and explanations  
**see separate sheet**

## VI. Certain documents cited

1. Certain published documents (Rule 70.10)

and / or

2. Non-written disclosures (Rule 70.9)

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/US00/05985

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**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**VIII. Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/US00/05985

- 1 The following documents (D) from the international search report (ISR) will be referred to:

- D1 EP-A-1 026 229 (PROCTER & GAMBLE) 9 August 2000 (2000-08-09)  
cited in the application
- D2 EP-A-1 026 228 (PROCTER & GAMBLE) 9 August 2000 (2000-08-09)  
cited in the application
- D3 EP-A-1 026 227 (PROCTER & GAMBLE) 9 August 2000 (2000-08-09)  
cited in the application
- D4 EP-A-0 846 754 (PROCTER & GAMBLE) 10 June 1998 (1998-06-10)  
cited in the application
- D5 EP-A-0 846 755 (PROCTER & GAMBLE) 10 June 1998 (1998-06-10)  
cited in the application
- D6 EP-A-0 846 756 (PROCTER & GAMBLE) 10 June 1998 (1998-06-10)  
cited in the application
- D7 WO 99 27069 A (PROCTER & GAMBLE) 3 June 1999 (1999-06-03)
- D8 WO 99 31215 A (PROCTER & GAMBLE) 24 June 1999 (1999-06-24)
- D9 WO 99 06521 A (PROCTER & GAMBLE) 11 February 1999 (1999-02-11)
- D10 WO 95 20030 A (UNILEVER PLC) 27 July 1995 (1995-07-27)
- D11 WO 99 40171 A (UNILEVER PLC) 12 August 1999 (1999-08-12)

## **Section II**

- 2 D7 and D8, published between the priority and filing dates of the current application, also stem from Procter and Gamble and would appear to disclose the subject-matter now being claimed, as can be seen from Section V below. The priority claimed for the present application is therefore not valid for the reasons set out in the PCT Guidelines, V-1.4. These documents are therefore considered to belong to the state of the art according to Rule 64.1 PCT.

## **Section V**

### **3 *Novelty (Article 33(2) PCT)***

- 3.1 It is immediately apparent from the passages of D4 to D10 cited in the ISR that these documents all disclose (coated) detergent tablets comprising perfume, clay and heavy metal ion sequestering agent and therefore detract from the novelty of present claims 1 and 2. Moreover, these documents would also appear to describe the features introduced by remaining claims 3 to 16.

- 3.2 Claims 1 to 16 therefore lack novelty.

### **4 *Inventive Step (Article 33(3) PCT)***

Given the situation on novelty it makes little sense to attempt to give any opinion on inventive step at the moment. In replying to this written opinion the applicants should therefore discuss inventive step in relation to any new claims filed.

## **Section VI**

- 5 D1, D2, D3 and D11, while not belonging to the state of the art according to Rule 64.1 PCT, may be of interest during the national/regional phase as they all describe the presently claimed subject-matter, see the passages of these documents cited in the ISR.

**Section VII**

- 6 In the examples it is not clear how the perfume is introduced into the tablets. Moreover, exemplar 2 and 3 would appear to be identical.

**Section VIII**

- 7 *Clarity (Article 6 PCT)*

The statement at page 11, lines 6 and 7 is inconsistent with the claims in suggesting that perfume might not be an essential constituent of the tablet. On the other hand, the paragraph at page 13, lines 15 and 16 gives the impression that the perfume must not contain halogenated materials and nitromusks, but this feature is not mentioned in claim 1.

## PATENT COOPERATION TREATY

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## NOTIFICATION OF ELECTION

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<b>International application No.</b> PCT/US00/05985	<b>Applicant's or agent's file reference</b> CM2057M/JB
<b>International filing date</b> (day/month/year) 08 March 2000 (08.03.00)	<b>Priority date</b> (day/month/year) 12 March 1999 (12.03.99)
<b>Applicant</b> CUNNINGHAM, Philip, Andrew et al	

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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>C11D 17/00</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 00/55294</b> <b>(43) International Publication Date:</b> 21 September 2000 (21.09.00)
<b>(21) International Application Number:</b> PCT/US00/05985 <b>(22) International Filing Date:</b> 8 March 2000 (08.03.00)  <b>(30) Priority Data:</b> 99870043.9 12 March 1999 (12.03.99) EP 99870082.7 30 April 1999 (30.04.99) EP  <b>(71) Applicant (for all designated States except US):</b> THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> CUNNINGHAM, Philip, Andrew [GB/GB]; 2 Park Drive, Forrest Hall, Newcastle upon Tyne NE12 9JN (GB). GREEN, Michael [GB/GB]; 69 Oulton Close, Meadow Rise Kenton, Newcastle Upon Tyne NE5 4SX (GB). MCRITCHIE, Allan, Campbell [GB/GB]; 35 Monkseaton Drive, Whitley Bay, Tyne & Wear NE26 1SY (GB). ARNAU, Jose [ES/FR]; 2, rue Jean-Philippe Rameau, F-78180 Montigny-le-Brettonneux (FR).  <b>(74) Agents:</b> REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		<b>(81) Designated States:</b> AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> PERFUMED DETERGENT TABLET		
<b>(57) Abstract</b>  The present invention relates to a perfumed detergent tablet, the tablet comprising a clay mineral compound and a heavy metal ion sequestrant.		



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(71) Applicant (for all designated States except US): **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CUNNINGHAM, Philip, Andrew** [GB/GB]; 2 Park Drive, Forrest Hall, Newcastle upon Tyne NE12 9JN (GB). **GREEN, Michael** [GB/GB]; 69 Oulton Close, Meadow Rise Kenton, Newcastle Upon Tyne NE5 4SX (GB). **MCRITCHIE, Allan, Campbell** [GB/GB]; 35 Monkseaton Drive, Whitley Bay, Tyne & Wear NE26 1SY (GB). **ARNAU, Jose** [ES/FR]; 2, rue Jean-Philippe Rameau, F-78180 Montigny-le-Bretonneux (FR).

(74) Agents: **REED, T., David** et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) Designated States (*national*): AE, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: **PERFUMED DETERGENT TABLET**

(57) Abstract: The present invention relates to a perfumed detergent tablet, the tablet comprising a clay mineral compound and a heavy metal ion sequestrant.

**WO 00/55294 A3**

# INTERNATIONAL SEARCH REPORT

Intern: Application No

PCT/US 00/05985

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D17/00 C11D3/50 C11D3/12 C11D3/36 C11D3/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

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IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	EP 1 026 229 A (PROCTER & GAMBLE) 9 August 2000 (2000-08-09) cited in the application example 1 claims page 11, line 31 - line 32 page 14, line 14 - line 16 page 3, line 34 -page 4, line 26 ---	1-16
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1 November 2000

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## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 846 754 A (PROCTER & GAMBLE) 10 June 1998 (1998-06-10) cited in the application claims; example 1 page 4, line 3 - line 11 ---	1-11, 15, 16
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Information on patent family members

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